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## Lion Oil Magnolia Spill (FPN E13610)

Magnolia, AR - EPA Region VI

POLREP #3

Progress

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Lion Oil Magnolia Spill (FPN E13610) - Removal Polrep



### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Region VI

**Subject:** POLREP #3  
Progress  
Lion Oil Magnolia Spill (FPN E13610)

Magnolia, AR  
Latitude: 33.2405560 Longitude: -93.1469440

**To:**

**From:** Mark Hayes, Environmental Engineer, OSC

**Date:** 3/12/2013

**Reporting Period:** 3/12/2013

#### 1. Introduction

##### 1.1 Background

<b>Site Number:</b>	<b>Contract Number:</b>	
<b>D.O. Number:</b>	<b>Action Memo Date:</b>	
<b>Response Authority:</b> OPA	<b>Response Type:</b>	Emergency
<b>Response Lead:</b> PRP	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b> Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b> 3/9/2012	<b>Start Date:</b>	3/9/2013
<b>Demob Date:</b>	<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>	<b>State Notification:</b>	
<b>FPN#:</b> 13610	<b>Reimbursable Account #:</b>	

##### 1.1.1 Incident Category

Oil Spill Response

##### 1.1.2 Site Description

On March 9, 2013, the Responsible Party, Lion Oil Trading, and Transportation, Inc. (LOTT) notified the National Response Center of an estimated 1500 barrel oil spill near Magnolia, Arkansas. On March 11, LOTT modified that estimated spill to be 5000 barrels. The responsible party reported that the spill occurred from a failure in their suction pump, which transports crude oil from the tank battery to an underground 12 inch transmission line that is monitored with a supervisory control and data acquisition (SCADA) system. The discharged oil filled a containment pond before flowing down gradient and impacting approximately 3 miles of Little Cornie Bayou. The initial estimate of 1 1/2 miles of creek did not account for natural topography of the area.

##### 1.1.2.1 Location

Magnolia, Arkansas

##### 1.1.2.2 Description of Threat

Adjusted by LOTT as of March 11 2013

Estimated 5000 bbls of crude oil spill as follows:

- 1500 bbls of crude oil in Little Cornie Bayou
- 3500 bbls of crude oil at source location and in the containment pond

##### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

**2. Current Activities****2.1 Operations Section****2.1.1 Narrative****2.1.2 Response Actions to Date**

On 9 March 2013 LOTT deployed 8 vac trucks to recover crude oil within Little Cornie Bayou. LOTT also constructed 2 weir dams on Little Cornie Bayou down gradient from the oil spill source location. Additional hard boom was deployed between the weir dam locations. Collection points for the vac trucks were established at each of the weir dam locations. Vac trucks were also used to remove crude oil from the temporary containment pond. LOTT established 24 hour operations and continued to recover oil using vac trucks at various locations on Little Cornie Bayou throughout the night. Two fracking (frac) tanks were deployed onsite and utilized as temporary holding areas for crude oil and freshwater collection. A 25,000 barrel tank located on the facility property is being utilized to store recovered crude oil and freshwater.

On the morning of 10 March 2013, LOTT reported that 1,840 bbls of crude oil was recovered. LOTT response personnel and contractor, TAS Environmental, continued oil spill recovery operations with a crew of approximately 20 personnel and 8 vac trucks. Vac truck recovery operations continued throughout the day at the containment pond and weir dam 1, but were slowed by rainfall in the area causing resources and personnel to be redirected to improve access roads. A breach also occurred in weir dam 1 due to heavy rainfall, but all discharged crude oil remained contained by hard boom and Weir Dam 2.

On the morning of 11 March 2013, LOTT reported that 3,880 bbls of crude oil was recovered to date. LOTT continued to conduct 24 hour oil recovery operations. During night operations crews continued recovery operations at the containment pond and locations along Little Cornie Bayou. Recovery operations overnight was slowed due to reduced oil flow from cold temperatures. Throughout the day LOTT response personnel and contractor, TAS Environmental, continued oil spill recovery operations with a crew of approximately 27 personnel and 9 vac trucks. Recovery operations continued at the containment pond and various locations along Little Cornie Bayou.

On the morning of 12 March 2013, LOTT reported that 4,220 bbls of crude oil was recovered to date. LOTT continued to conduct 24 hour oil recovery operations, however, overnight activities were limited to monitoring of oil containment at weir dam locations 1 and 2 in Little Cornie Bayou due to freezing/below freezing temperatures. Additional resources and personnel were mobilized onsite throughout the day. Resources included 90 personnel, 11 vac trucks, and miscellaneous additional equipment to conduct oil spill response activities. Additional crews initiated cleanup and recovery operations along the creek just down gradient of the containment pond. Additional absorbent booms and pads were deployed at weir dams 1 and 2. LOTT installed wood matting to allow for better access to weir dam 2 for oil recovery. Recovery operations continued at various locations along Little Cornie Bayou throughout the day.

**2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)****2.1.4 Progress Metrics**

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

**2.2 Planning Section****2.2.1 Anticipated Activities****2.2.1.1 Planned Response Activities**

- Resume overnight oil recovery operations at weir dam 1 and 2
- Establish additional work zones to assist in organizational structure of the response
- Continue recovery operations utilizing vac trucks, frac tanks, and skimmers at various locations throughout Little Cornie Bayou
- Continue cleanup and recovery operations of impacted areas between Little Cornie Bayou and the containment pond

**2.2.1.2 Next Steps****2.2.2 Issues**

**2.3 Logistics Section**

No information available at this time.

**2.4 Finance Section**

No information available at this time.

**2.5 Other Command Staff**

No information available at this time.

**3. Participating Entities****3.1 Unified Command**

LOTT is response lead with EPA and ADEQ providing oversight of operations

**3.2 Cooperating Agencies**

Arkansas Department of Environmental Quality (ADEQ)  
Columbia County Office of Emergency Management (OEM)

**4. Personnel On Site**

No information available at this time.

**5. Definition of Terms**

No information available at this time.

**6. Additional sources of information**

No information available at this time.

**7. Situational Reference Materials**

No information available at this time.

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